

Introduction to Creo Options Modeler 4.0

Overview

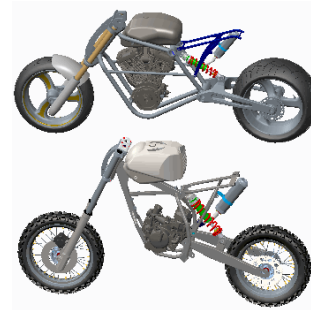
Course Code TRN-5113-T

Course Length 8 Hours

In this course, you will learn how to use Creo Options Modeler to create configurable assemblies. You will begin by exploring a completed configurable assembly that has multiple variations created. You will then learn how to establish interchangeability between components, and how to create and assemble configurable products, configurable modules, and module variants. Then, you will become familiar with the creation of options and choices, which will enable you to explore usage of the Variant Builder to configure assembly variants. Finally, you learn how to leverage an existing design assembly and develop a configurable product assembly containing multiple design variations.

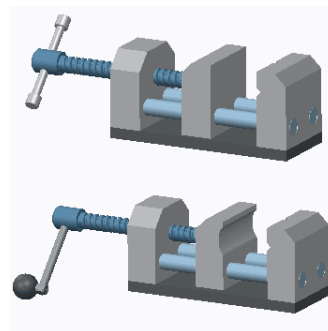
At the end of each module, you will complete a set of review questions to reinforce critical topics from that module. At the end of the course, you will complete a course assessment in Pro/FICIENCY intended to evaluate your understanding of the course as a whole.

This course has been developed using Creo Parametric 4.0 (F000).



Course Objectives

- Understand and use Creo Options Modeler
- Create interchange assemblies
- Create configurable modules and products
- Define options and choices
- Utilize configurable assemblies
- Understand how to manage large Options Modeler assemblies with and without Windchill



Prerequisites

- Introduction to Creo Parametric 4.0
- Advanced Assembly Design using Creo Parametric 4.0

Audience

- This course is intended for design engineers, mechanical designers, and industrial designers. People in related roles will also benefit from taking this course.
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Agenda

Day 1

Module	1	Introduction to Creo Options Modeler
Module	2	Creating Interchange Assemblies
Module	3	Creating Configurable Modules and Products
Module	4	Defining Options and Choices
Module	5	Utilizing Configurable Assemblies
Module	6	The Options Modeler with Very Large Assemblies and Windchill
Module	7	Project

Course Content

Module 1. Introduction to Creo Options Modeler

- i. Introduction to Options Modeler
- ii. Exploring a Configurable Assembly

Knowledge Check Questions

Module 2. Creating Interchange Assemblies

- i. Understanding Interchangeability
- ii. Replacing Components using Family Table
- iii. Understanding Interchange Assemblies
- iv. Replacing using a Functional Interchange Assembly

Knowledge Check Questions

Module 3. Creating Configurable Modules and Products

- i. Creating Configurable Modules and Products
- ii. Creating a Configurable Module from an Interchange Assembly
- iii. Adding Module Variants to Configurable Modules
- iv. Assembling with Configurable Products
- v. Creating Configurable Product Sub-Assemblies
- vi. Transferring Components into Configurable Modules
- vii. Utilizing Family Tables in Configurable Modules

Knowledge Check Questions

Module 4. Defining Options and Choices

- i. Defining Options
- ii. Defining Choices
- iii. Assigning Components to Choices

Knowledge Check Questions

Module 5. Utilizing Configurable Assemblies

- i. Understanding the Variant Builder
- ii. Utilizing the Variant Builder
- iii. Managing Configurations
- iv. Saving New Product Variants

Knowledge Check Questions

Module 6. The Options Modeler with Very Large Assemblies and Windchill

- i. The Options Modeler and Very Large Assemblies
- ii. Using the Options Modeler with Windchill

Knowledge Check Questions

Module 7. Project

- i. Designing Variations for the Power Head
 - ii. The Drill Variation
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- iii. The Pump Variation
- iv. The Auger Variation